

Title (en)

TISSUE REPAIR BY MODULATION OF BETA-1 INTEGRIN BIOLOGICAL FUNCTION

Title (de)

GEWEBEREPARATUR DURCH MODULATION DER BIOLOGISCHEN FUNKTION VON BETA-1-INTEGRIN

Title (fr)

REPARATION DE TISSUS VIA LA MODULATION DE LA FONCTION BIOLOGIQUE DE L'INTEGRINE BETA-1

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Abstract (en)

The present invention provides methods and novel compounds for facilitating tissue repair and regeneration when the extracellular matrix is damaged. Specifically, binding of the beta-1 integrin is shown to provide a modulation of its functional activity resulting in up regulation of extracellular matrix anabolism. The invention therefore provides a method and novel compounds which can facilitate tissue regeneration in many systems such as the lung, skin, liver and bone. In particular, the binding of the JB1a antibody to a site of amino acid residues 82 to 87 of the mature beta-1 integrin is shown to be particularly effective in mediating the described tissue repair effect.

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